

#### § 413.04

shall submit a toxic organic management plan that specifies to the control authority's satisfaction the toxic organic compounds used; the method of disposal used instead of dumping, such as reclamation, contract hauling, or incineration; and procedures for assuring that toxic organics do not routinely spill or leak into the wastewater.

(c) If monitoring is necessary to measure compliance with the TTO standard the industrial user need analyze only for those pollutants which would reasonably be expected to be present.

(Approved by the Office of Management and Budget under control number 2040-0074)

(Secs. 301, 304, 306, 307, 308, and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1251 *et. seq.*, as amended by the Clean Water Act of 1977, Pub. L. 95-217))

[48 FR 32483, July 15, 1983; 48 FR 43681, Sept. 26, 1983, as amended at 49 FR 34823, Sept. 4, 1984]

#### § 413.04 Standards for integrated facilities.

Pretreatment standards for integrated facilities shall be computed as required by § 403.6(e) of EPA's General Pretreatment Regulations. In cases where electroplating process wastewaters are combined with regulated wastewaters which have 30 days average standards, the corresponding 30 day average standard for the electroplating wastewaters must be used. The 30 day average shall be determined for pollutants in the relevant subcategory from the corresponding daily and 4 day average values listed in the table below.

If the maximum for any 1 day is	And the 4 day average is	Then the 30 day average is
0.6 .....	0.4	0.3
1.2 .....	.7	.5
1.9 .....	1	.55
4.1 .....	2.6	1.8
4.2 .....	2.6	1.8
4.5 .....	2.7	1.8
5.0 .....	2.7	1.5
7.0 .....	4	2.5
10.5 .....	6.8	5
20.0 .....	13.4	10
23 .....	16	12
47 .....	29	20
53 .....	36	27
74 .....	39	21
107 .....	65	45

#### 40 CFR Ch. I (7-1-00 Edition)

If the maximum for any 1 day is	And the 4 day average is	Then the 30 day average is
169 .....	89	49
160 .....	100	70
164 .....	102	70
176 .....	105	70
273 .....	156	98
365 .....	229	160
374 .....	232	160
401 .....	241	160
410 .....	267	195
623 .....	257	223
935 .....	609	445

#### Subpart A—Electroplating of Common Metals Subcategory

##### § 413.10 Applicability: Description of the electroplating of common metals subcategory.

The provisions of this subpart apply to dischargers of pollutants in process wastewaters resulting from the process in which a ferrous or nonferrous basis material is electroplated with copper, nickel, chromium, zinc, tin, lead, cadmium, iron, aluminum, or any combination thereof.

##### § 413.11 Specialized definitions.

For the purpose of this subpart:

(a) The term *sq m* ['sq ft'] shall mean the area plated expressed in square meters [square feet].

(b) The term *operation* shall mean any step in the electroplating process in which a metal is electrodeposited on a basis material and which is followed by a rinse; this includes the related operations of alkaline cleaning, acid pickle, stripping, and coloring when each operation is followed by a rinse.

##### §§ 413.12–413.13 [Reserved]

##### § 413.14 Pretreatment standards for existing sources.

Except as provided in §§ 403.7 and 403.13 of this title, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources (PSES):

(a) No user introducing wastewater pollutants into a publicly owned treatment works under the provisions of this subpart shall augment the use of

## Environmental Protection Agency

§413.14

process wastewater or otherwise dilute the wastewater as a partial or total substitute for adequate treatment to achieve compliance with this standard.

(b) For a source discharging less than 38,000 liters (10,000 gal.) per calendar day of electroplating process wastewater the following limitations shall apply:

### SUBPART A—COMMON METALS FACILITIES DISCHARGING LESS THAN 38,000 LITERS PER DAY PSES LIMITATIONS (MG/L)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
CN, A .....	5.0	2.7
Pb .....	.6	.4
Cd .....	1.2	.7

(c) For plants discharging 38,000 liters (10,000 gal) or more per calendar day of electroplating process wastewater the following limitations shall apply:

### SUBPART A—COMMON METALS FACILITIES DISCHARGING 38,000 LITERS OR MORE PER DAY PSES LIMITATIONS (MG/L)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
CN, T .....	1.9	1.0
Cu .....	4.5	2.7
Ni .....	4.1	2.6
Cr .....	7.0	4.0
Zn .....	4.2	2.6
Pb .....	.6	.4
Cd .....	1.2	.7
Total metals .....	10.5	6.8

(d) Alternatively, the following mass-based standards are equivalent to and may be applied in place of those limitations specified under paragraph (c) of this section upon prior agreement between a source subject to these standards and the publicly owned treatment works receiving such regulated wastes:

### SUBPART A—COMMON METALS FACILITIES DISCHARGING 38,000 LITERS OR MORE PER DAY PSES LIMITATIONS (MG/SQ M-OPERATION)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
CN, T .....	74	39
Cu .....	176	105
Ni .....	160	100
Cr .....	273	156
Zn .....	164	102
Pb .....	23	16
Cd .....	47	29
Total metals .....	410	267

(e) For wastewater sources regulated under paragraph (c) of this section, the following optional control program may be elected by the source introducing treated process wastewater into a publicly owned treatment works with the concurrence of the control authority. These optional pollutant parameters are not eligible for allowance for removal achieved by the publicly owned treatment works under 40 CFR 403.7. In the absence of strong chelating agents, after reduction of hexavalent chromium wastes, and after neutralization using calcium oxide (or hydroxide) the following limitations shall apply:

### SUBPART A—COMMON METALS FACILITIES DISCHARGING 38,000 LITERS OR MORE PER DAY PSES LIMITATIONS (MG/L)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
CN, T .....	1.9	1.0
Pb .....	.6	.4
Cd .....	1.2	.7
TSS .....	20.0	13.4
pH .....	1	1

<sup>1</sup>Within the range 7.5 to 10.0.

(f) In addition to paragraphs (a) and (b) the following limitation shall apply for plants discharging less than 38,000 l (10,000 gal) per calendar day of electroplating process wastewater:

## § 413.20

Pollutant or pollutant property	Maximum for any 1 day
	Milligrams per liter (mg/l)
TTO .....	4.57

(g) In addition to paragraphs (a), (c), (d), and (e) the following limitation shall apply for plants discharging 38,000 l (10,000 gal) or more per calendar day of electroplating process wastewater:

Pollutant or pollutant property	Maximum for any 1 day
	Milligrams per liter (mg/l)
TTO .....	2.13

(h) In addition to paragraphs (a), (b), (c), (d), (e), (f), and (g) the following shall apply: An existing source submitting a certification in lieu of monitoring pursuant to § 413.03 of this regulation must implement the toxic organic management plan approved by the control authority.

(Secs. 301, 304, 306, 307, 308, and 501 of the Clean Water Act (the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1251 *et. seq.*, as amended by the Clean Water Act of 1977, Pub. L. 95-217))

[46 FR 9467, Jan. 28, 1981; 46 FR 30626, June 10, 1981, as amended at 48 FR 32483, July 15, 1983; 48 FR 43681, Sept. 26, 1983]

### Subpart B—Electroplating of Precious Metals Subcategory

#### § 413.20 Applicability: Description of the electroplating of precious metals subcategory.

The provisions of this subpart apply to discharges of process wastewaters resulting from the process in which a ferrous or nonferrous basis material is plated with gold, silver, iridium, palladium, platinum, rhodium, ruthenium, or any combination of these.

#### § 413.21 Specialized definitions.

For the purpose of this subpart:

(a) The term *sq m* ("sq ft") shall mean the area plated expressed in square meters (square feet).

(b) The term *operation* shall mean any step in the electroplating process in which a metal is electrodeposited on a basis material and which is followed by a rinse: This includes the related operations of alkaline cleaning, acid

## 40 CFR Ch. I (7-1-00 Edition)

pickle, stripping, and coloring when each operation is followed by a rinse.

### §§ 413.22-413.23 [Reserved]

#### § 413.24 Pretreatment standards for existing sources.

Except as provided in 40 CFR §§ 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources (PSES):

(a) No user introducing wastewater pollutants into a publicly owned treatment works under the provisions of this subpart shall augment the use of process wastewater or otherwise dilute the wastewater as a partial or total substitute for adequate treatment to achieve compliance with this standard.

(b) For a source discharging less than 38,000 liters (10,000 gal) per calendar day of electroplating process wastewater the following limitations shall apply:

#### SUBPART B—PRECIOUS METALS FACILITIES DISCHARGING LESS THAN 38,000 LITERS PER DAY PSES LIMITATIONS (MG/L)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
CN, A .....	5.0	2.7
Pb .....	.6	.4
Cd .....	1.2	.7

(c) For plants discharging 38,000 liters (10,000 gal) or more per calendar day of electroplating process wastewater the following limitations shall apply:

#### SUBPART B—PRECIOUS METALS FACILITIES DISCHARGING 38,000 LITERS OR MORE PER DAY PSES LIMITATIONS (MG/L)

Pollutant or pollutant property	Maximum for any 1 day	Average of daily values for 4 consecutive monitoring days shall not exceed
Ag .....	1.2	0.7
CN, T .....	1.9	1.0
Cu .....	4.5	2.7
Ni .....	4.1	2.6
Cr .....	7.0	4.0
Zn .....	4.2	2.6